By GEORGE FITCH

years, but did not work seriously at impregnated with the famous red salit until a few years ago, when it began mon which have brought more gold to have booms, expositions, progressiv- to Oregon than its placer mines in ism and constitutional conventions all the southern counties, at the same time. It is now a massive Oregon has a large variety of clicommonwealth with 700,000 people, the initiative and referendum, the recall, eral extensive mountains, perpetual signature, a new subject of much imthree rival railroad systems, 7000 real drought in its interior and perpetual portance will come before the Territures which make sleep during business hours impossible within its bor-

Oregon has been known ever since Messrs, Lewis & Clark, the celebrated explorer's team, discovered it in 1804, but it took half a century to find some use for it. In 1880, Oregon was a raw and unknown interior with a rim of settled country around two sides. A railroad ran along these two sides and allowed the 175,000 Oregonians a small commission on their products, after deducting freight charges. About this time, however, it was discovered that by supplying an ordinary apple tree with an irrigation ditch, a trained nurse, a masseuse, an osteopath and soft music during the spring season. the famous Oregon apple could be pro-duced. Since this discovery, Oregon has grown rapidly and is now covered with happy agriculturists lowering red apples out of their pedigreed orchard trees with derricks and shipping them ing device. Oregon people are enter-

Oregon has been a State for twenty lumbia River, which is still strongly



east to sell in Wall Street at 5 cents prising, sociable and deeply interested ert and forest, but is rapidly being conventionalized by the saw-mill and the irrigating ditch. It abuts California on the south and the Pacific Ocean arette he does so behind the woodshed clais on matters of importance, and Oregon still consists mostly of des- is the favorite Oregon an

Now that the Kau ditch bill has been passed and the big improvement duly authorized by the President's estate agents, and many other fea- rain in the vicinity of Portland, where torigi authorities in the very near future, when the promoters present a proposition to the government as the basis of a request for the necessary

As the flow through the proposed ditch will come from a high elevation on the Hilo side of Hawaii, the promoters and the Territory must reach an agreement as to the amount of water that can be taken, leaving a sufficient supply to insure the protec-tion of the residents on the Hilo side. The amount of compensation, the li-cense fee and a number of questions of similar character must be de

The promoters are expected to pre-sent a proposition, setting forth the situation and their demands, in a very hort time.

GOVERNOR WILL BAR AFTERNOON CALLERS

"No afternoon callers" for the next three or four weeks, is the edict ison the west and is successfully sepwhere the stern eye of the recall can
done in preparing his annual report,
the executive today decided that his
afternoons must be given over to these without interruption.

Hereafter, probably until September 1, persons desiring to visit the Gover-nor on social or even official business, must make their appointments for the morning hours, and it is likely hat none will be admitted to his

bdivided into water bound and bitunethod or by mixing. The latter

rom an article in the "Good Roads roads and town roads. The engineers in favor of putting down "light" oil Magazine." It is written by L. E. in the state department plan and build surface. The tars are falling out of Boykin, an expert, and a synopsis the main thoroughfares of the state use and the heavy and medium as-There are seven methods of rais roads are such as connect the centers. The character of the Hawaii belt

nents upon abut. builds them and the pavement is made an edging of stone to hold subbase and ting property, automobile licenses, di- partly from the state funds and partly macadam in place. Owing to lack of from the county. The latter's share funds there is nothing fancy about it. aying the taxes by personal labor the county government, can receive but has made provision in his plans state aid if it is wanted. The state but has made provision in his plans tead of with money. The private insists that the counties build the polar, owing to the fact that the laing and care of public roads is a the end of the year when the counties build the present road. There is a crown the end of the year when the counties will wants wide roads for many years, but has, made, provision in his plans in case they are needed so that the roads—the advice of the state engin-

ers pay up without any protest. It work the state will give dollar for off a road too fast, as it is liable to

500 gang should be kept going all the time and should take charge as soon

\$1.517 as the contractor has finished. with roads on Hawaii. Such systems are in vogue in Europe, France and

Of HAWAII ON HOUD RUADU none will be admitted to his champers after the noon hour unless called by

Hawaii Herald, July 26: Advocat- tries having taxable value sufficiently For news and the truth about it, all people buy the Star-Buttetin. system of steady maintenance in or Retail Costs More. der that the full value may be got. As a result of the circumstances, out of the road and that the enormous only a small levy would be imposed amount of capital sunk in roads may and a small annual fund realized, so not be thrown away, and the adoption of the State aid system. Engineer be improved each year. The smaller Bishop of the Loan Fund Commission the mileage improved annually the

subject very thoroughly. He traced the history of roads from the time the famous Applan way of the Romans was built in England right down to the present era of patented pave ments. He branched into the matter of local conditions and gave his reasons for the specifications of the belt road, told his hearers why a water-bound macadam was necessary for bound macadam was necessary for the subject that it enables you to pay as be the following substances: For pave-ments—Wood block, stone block, as-phalt block, sheet asphalt, brick, contax is that it enables you to pay as be the following substances: For pave-ments—Wood block, stone block, as-phalt block, sheet asphalt, brick, contax is that it enables you to pay as be the following substances: For pave-ments—Wood block, stone block, as-phalt block, sheet asphalt, brick, contax is that it enables you to pay as be the following substances: For pave-ments—wood block, stone block, as-phalt block, sheet asphalt, brick, contax is that it enables you to pay as be the following substances: For pave-ments—wood block, stone block, as-phalt block, sheet asphalt, brick, contax is that it enables you to pay as the following substances: For pave-ments—wood block, stone block, as-phalt block, sheet asphalt, brick, contax is that it enables you to pay as the following substances: For pave-ments—wood block, stone block, as-phalt block, sheet asphalt, brick, contax is that it enables you to pay as the following substances: For pave-ments—wood block, stone block, as-phalt block, sheet asphalt, brick, contax is the farmers only. pavements were better for dry, he adequate progress under it.

explained the State aid system and dwelt upon the banefits to be derived from it and then answered ail ques aid Bishop outlined what was exactly surface treatment, the

Ing revenues for highway purposes, of population.

With the county roads the state it has a 6-inch subbase. There is taken Borkin: statute labor, private builds them and the pavement is made an edging of stone to hold subbase and the pavement is made. State aid. The statute labor method is based on the assessed valuation. is fast going out of use although it was very common in the United States twenty years ago. It consisted of and towns proper. At the same time the Union. Bishop does not think Ha-

has been successful wherever it has been spent. By this method the great burden on the counties is lessened.

Nothing is forced on the county and nothing is taken away. In our own case the Territory would issue bonds and the counties would be charged back in proportion.

They are injurious to the roads as they lift loose binding into the air. Dealing with the matter of the cost of building roads in Habers it is blown away by the wind.

Dealing with the matter of the cost waii on the windward side averages about the same as in California—\$15. where it is blown away by the wind, of maintenance, Bishop gave the following figures, which include everybear their share of the cost. Massathing. The figures are for a mile of the cost want on the windward should about the same as in California—\$15,1000 per mile.

Where the life of a macadam road is likely to be less than ten years, it

taxes and bond issues he states: Maintenance "More funds, however, are raised from these two sources than from improvement. There are many who resurfacing. trefer a direct tax to a bond issue. Bonds. The direct tax should undoubtedly be adopted for the maintenance of roads in all cases, but for original construction work. Bonds that it is most nance work, but for improvement of macadam road is built it will last for

ng local roads being built with a six- large so that a small tax levy will stead of washing the surface away, carried, or as much each year as can that take care of the larger percentor the width of the road to be only be wisely expended. The great trouble age of the traffic or 20 per cent. of all much as is necessary for the traffic with the direct tax is that the levy roads should be improved by the prothat would be required on the assess truction everywhere in the Island ex-cept along the Hamakus coast where, raise sufficient funds for carrying the The following points were made by wing to the weather conditions it is work would be too large and would impossible to put down anything ex- impose too great an immediate burcept a water-bound macadam, and a den upon the individual taxpayer.

gave an interesting and practical talk at the Board of Trade rooms on Tuesday night before a fair crowd.

Bishop went into the matter of "Good Roads" very thoroughly, his talk being lliustrated by diagrams that helped the audience to grasp the subject very thoroughly. He traced the history of roads from the time the history of roads from the time the

meant by this method.

The money is raised by state bonds and is expected through a state de- Light Oil Valueless. ogue for raising money for road partment. The roads are classified Unless it is an oil like that which could be unless be under the country comes from California, Bishop is not at no cost to the counties. These phaltic oils are making a rapid rise.

the end of the year when the state with a grade of one-half inch to the state with a grade of one-half inch to the auditor has examined the books and foot. butting property system in use in the state engineer has approved the lit is not advisable to take water ome form or another and the own-work the state will give dollar for off a road too fast, as it is liable to

the Union should pass a law requir-ing automobiles to pay a reasonable tax, the proceeds to be devoted to

Annual Cost.

10 years

It is imperative for a road to be
maintained after it is built. It will
go to pieces otherwise, and this is only Interest \$ 600 a foolish waste of money. Macadam is Coming to the matter of direct Depreciation 417 very perishable and a maintenance

any other way. These two may be The depreciation is based on the sum The lack of a systematic and persaid to be the natural methods of necessary to amount to \$5000 at the manently organized maintenance gang raising money for any form of public end of ten years, when the road needs has been the main source of trouble

to be preferred, except in those coun- main highways only. It is therefore a all time. This is a great fallacy.



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